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REMARKS

Claims 1-19 are pending in the present application. Claims 1-2, 4-11 and 15-16 have been amended herein. No new matter has been added. Applicants respectfully request reconsideration of the claims in view of the following remarks.

Claims 5-7 have been rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. Applicants respectfully traverse the Examiner's rejection.

In view of the Examiner's remarks regarding claims 5-7, claims 5-7 have been amended herein to more particularly claim the matter which Applicants regard as the invention. Applicants respectfully submit that claims 5-7 are allowable as amended.

Claims 1-10 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-4 of co-pending Application No. 09/996,197. Applicants respectfully offer to submit a terminal disclaimer in compliance with 37 CFR 1.321(c) upon determination of allowability of these claims.

Claims 1-8 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over admitted prior art figs. 1-6 in view of Radi (U.S. Patent No. 6,594,327, hereinafter "Radi"). Applicants respectfully traverse these rejections.

Claim 1 has been amended to recite "correlating a received digital sample value with a plurality of other received digital sample values to generate a corresponding plurality of correlation results." The admitted prior art in figure 6 in the Specification and Radi do not teach or suggest correlating a received digital sample value with a plurality of other received digital sample values.

The Office Action states that "Radi teaches the step of correlating in correlator 504 'a single digital value' output by 512 a plurality of received digital sample values." The Radi reference, however, teaches that the frame set register (FSR) 512 value "is comprised of Ft/Fs/Fe or a combination of them." See Figure 5; col.7 lines 63-65; col. 9 lines 51-61. Ft/Fs/Fe are predefined framing bits and not received digital sample values, as required by the claim. See col. 6 table 1; col. 6 lines 43-52. Accordingly, Applicants respectfully submit that independent claim 1 is allowable over the prior art of record.

Dependent claims 2-10 depend from claim 1 and add further limitations. It is respectfully submitted that these dependent claims are allowable by reason of depending from an allowable claim and because of their further limitations.

Claims 11 and 15-19 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over admitted prior art figs. 1-6 in view of Radi, and further in view of Okanoué et al. (U.S. Patent No. 6,738,439, hereinafter "Okanoué"). Applicants respectfully traverse these rejections.

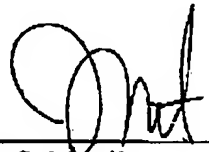
Claim 11 has been amended to recite "correlating a received digital sample value with a plurality of other received digital sample values to generate a corresponding plurality of correlation results." As was discussed for claim 1 herein above, neither the admitted prior art nor Radi teach or suggest correlating a received digital sample value with a plurality of other received digital sample values. Further, Okanoué does not teach or suggest this limitation. Accordingly, Applicants respectfully submit that independent claim 11 is allowable over the prior art of record.

Dependent claims 12-19 depend from claim 11 and add further limitations. It is respectfully submitted that these dependent claims are allowable by reason of depending from an allowable claim and because of their further limitations.

Applicants have made a diligent effort to place the claims in condition for allowance. However, should there remain unresolved issues that require adverse action, it is respectfully requested that the Examiner telephone Ira S. Matsil, Applicants' attorney, at 972-732-1001 so that such issues may be resolved as expeditiously as possible. No fee is believed due in connection with this filing. However, should one be deemed due, the Commissioner is hereby authorized to charge, or credit any overpayment, Deposit Account No. 50-1065.

Respectfully submitted,

11/2/06
Date



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